

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

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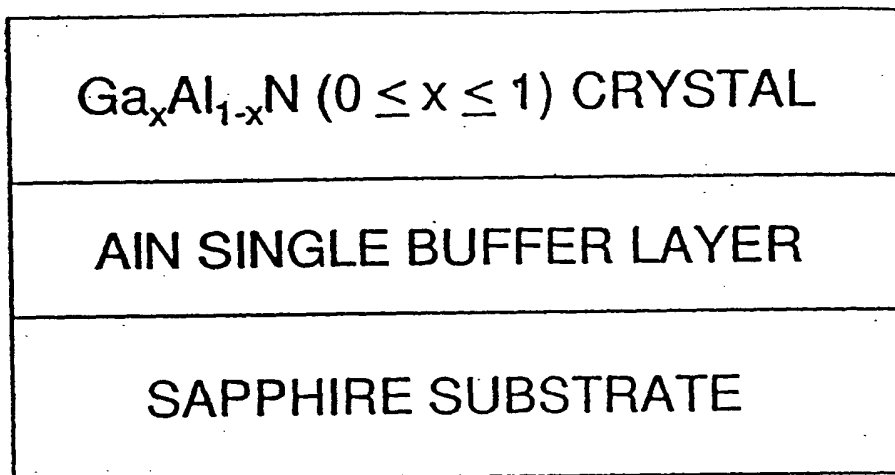


FIG. 1

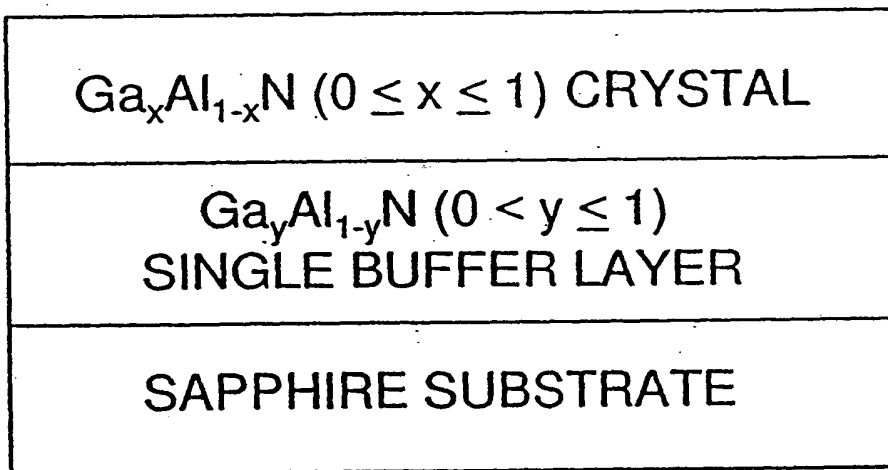


FIG. 2

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T06050" 9E200/60

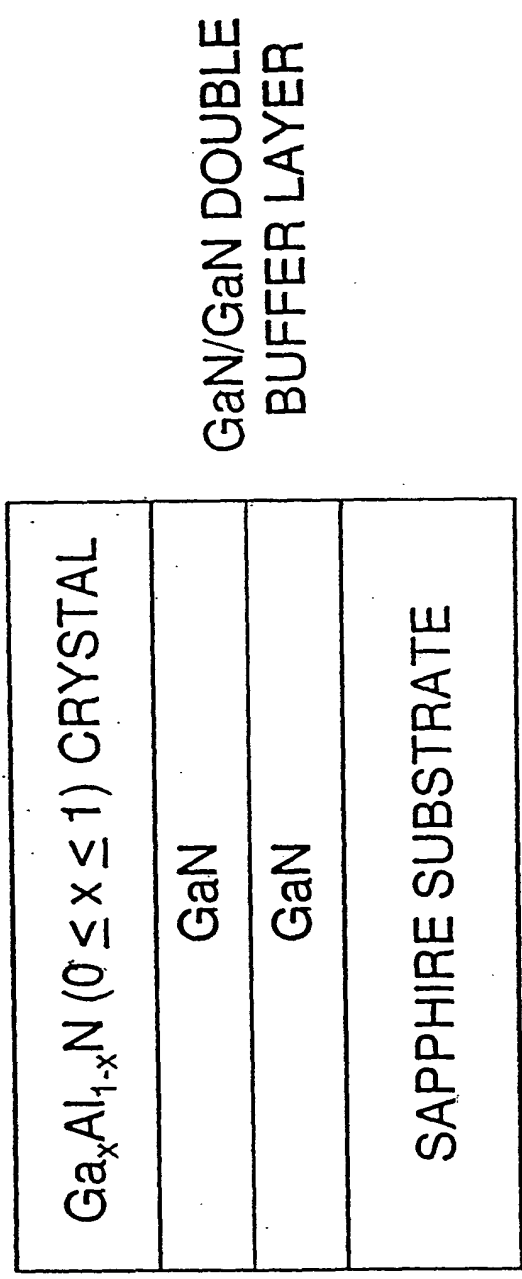


FIG. 3

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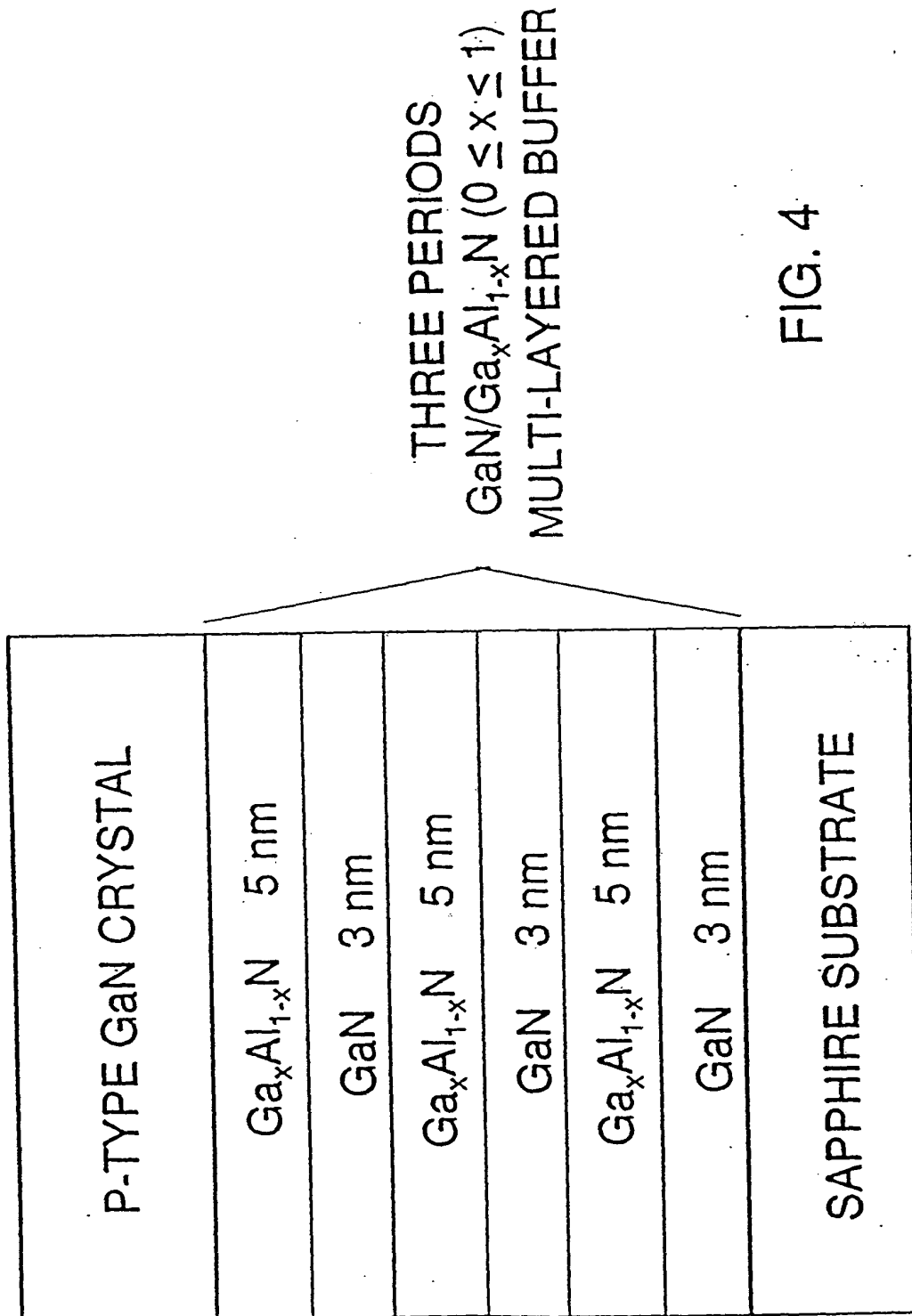


FIG. 4

106050" 9E200250

T06050" 9E200Z60

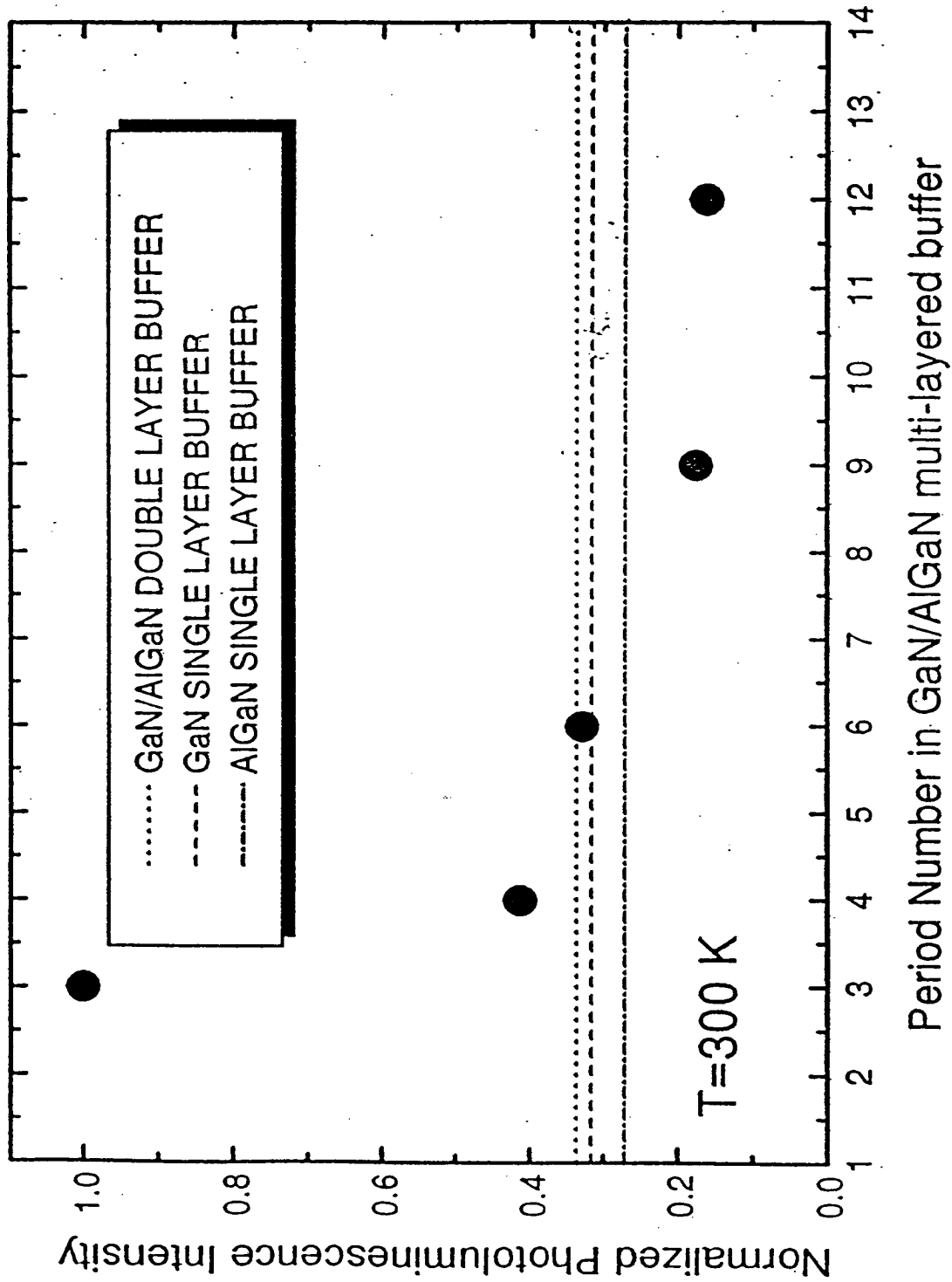
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FIG. 5



TD6050" 9E200/60

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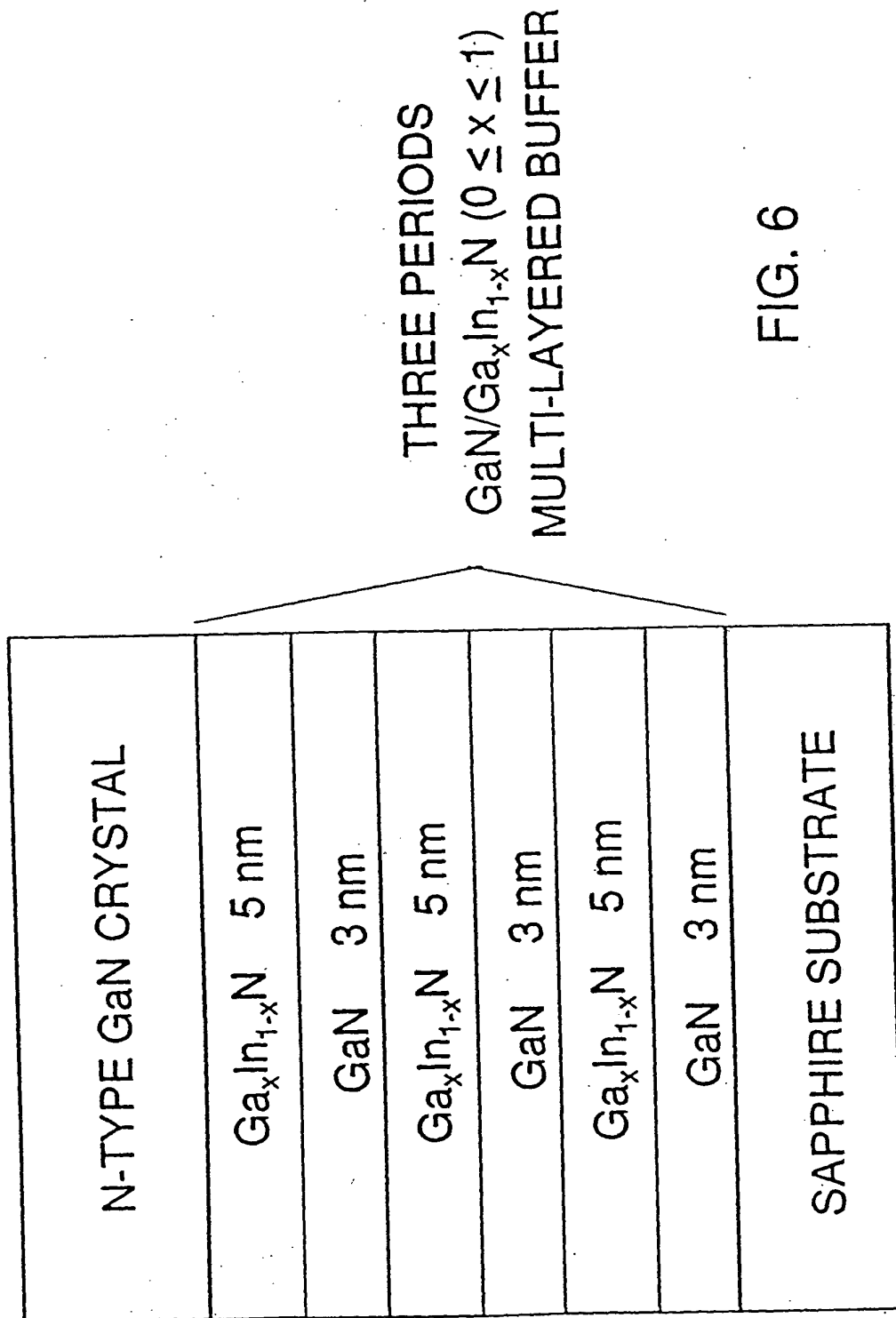


FIG. 6

TOP SECRET 95200/60

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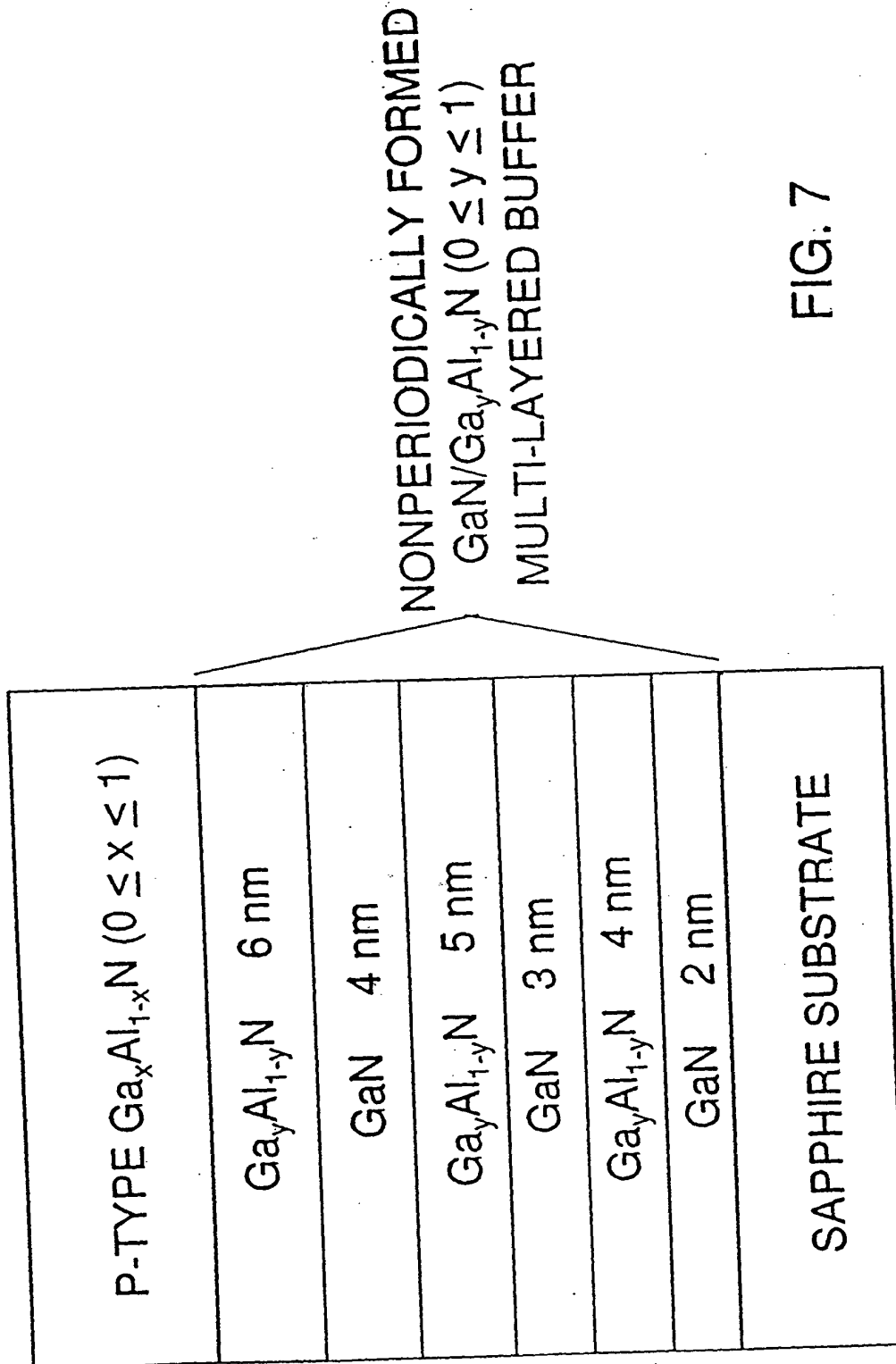


FIG. 7

T05050" 9E200/60

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COMPOSITION-VARIED  
GaN/Ga<sub>y</sub>In<sub>1-y</sub>N (0 ≤ y ≤ 1)  
MULTI-LAYERED BUFFER

N-TYPE Ga <sub>x</sub> Al <sub>1-x</sub> N (0 ≤ x ≤ 1)
Ga <sub>0.8</sub> In <sub>0.2</sub> N 5 nm
GaN 3 nm
Ga <sub>0.85</sub> In <sub>0.15</sub> N 5 nm
GaN 3 nm
Ga <sub>0.9</sub> In <sub>0.1</sub> N 5 nm
GaN 3 nm
SAPPHIRE SUBSTRATE

FIG. 8

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